

03-12-0

Box-Seq.

DOCKET NO. : 00069.US1

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In	Re	App	lica	tion	of:
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Gabriel Vogeli, Alla M. Karnovsky, Cara Ruble, Lisa I. Linske-O'Connell, Jun Wang and Derong Liu

Serial No.: Not yet assigned

Group Art Unit: Not yet assigned

Filing Date: Herewith

Examiner: Not yet assigned

For: HUMAN ION CHANNELS

EXPRESS MAIL LABEL NO: EL568028323US DATE OF DEPOSIT: March 9, 2001

Box	⊠ Sequence	
	☐ Provisional	☐ Design
	tant Commissione ington DC 20231	r for Patents
Sir:		

PATENT APPLICATION TRANSMITTAL LETTER

Transmitted herewith for filing, please find

A Utility Patent Application under 37 C.F.R. 1.53(b).				
It is a continuing application, as follows:				
☐ continuation ☐ divisional ☐ continuation-in-part of prior application number				
A Provisional Patent Application under 37 C.F.R. 1.53(c).				
A Design Patent Application (submitted in duplicate).				

filed count of ap	herewith has not and will not be the subject of an application filed in another try, or under a multilateral international agreement, that requires publication plications 18 months after filing. Thus, pursuant to 35 U.S.C. §122(b)(2)(B)(i), icant(s) request that the above-identified patent application not be published.		
Inclu	ding the	e follow	ving:
	Prov	isional 2	Application Cover Sheet.
	New	or Revi	ised Specification, including pages 1 to 138 containing:
	\boxtimes	Spec	ification
	\boxtimes	Clain	ns
	\boxtimes	Abst	ract
		Subs	titute Specification, including Claims and Abstract.
		,	The present application is a continuation application of Application Nofiled The present application includes the Specification of the parent application which has been revised in accordance with the amendments filed in the parent application. Since none of those amendments incorporate new matter into the parent application, the present revised Specification also does not include new matter.
			The present application is a continuation application of Application Nofiled, which in turn is a continuation-in-part of Application Nofiled The present application includes the Specification of the parent application which has been revised in accordance with the amendments filed in the parent application. Although the amendments in the parent C-I-P application may have incorporated new matter, since those are the only revisions included in the present application, the present application
	-		includes no new matter in relation to the parent application. The product of production includes no new matter in relation to the parent application. Filed Specification, Claims and Abstract (pages 1 - @@), to which

	no new matter has been added TOGETHER WITH a copy of the executed oath or declaration for such earlier application and all drawings and appendices. Such earlier application is hereby incorporated into the present application by reference.
	Please enter the following amendment to the Specification under the Cross-Reference to Related Applications section (or create such a section): "This Application: \[\subseteq \text{ is a continuation of } \subseteq \text{ is a divisional of } \subseteq \text{ claims benefit of U.S.} \]
	provisional Application Serial Nofiled
	Signed Statement attached deleting inventor(s) named in the prior application.
	A Preliminary Amendment.
	Sheets of D Formal D Informal Drawings.
	Drawing view to publish: Figure
	Petition to Accept Photographic Drawings.
	☐ Petition Fee
×	An ☐ Executed ☑ Unexecuted Declaration or Oath and Power of Attorney.
	An Associate Power of Attorney.
	An Executed Copy of Executed Assignment of the Invention to
	··································
	☐ A Recordation Form Cover Sheet.
	Recordation Fee - \$40.00.
	The prior application is assigned of record to
	Priority is claimed under 35 U.S.C. § 119 of Patent Application No.

	filedin
	(country).A Certified Copy of each of the above applications for which priority is claimed:
	is enclosed.
	has been filed in prior application Serial Nofiled
	An \square Executed or \square Copy of Executed Earlier Statement Claiming Small Entity Status under 37 C.F.R. 1.9 and 1.27
	☐ is enclosed.
	☐ has been filed in prior application Serial Nofiled, said status is still proper and desired in present case.
\boxtimes	Diskette Containing DNA/Amino Acid Sequence Information.
\boxtimes	Statement to Support Submission of DNA/Amino Acid Sequence Information.
	The computer readable form in this application, is identical with that filed in Application Serial Number, filed In accordance with 37 CFR 1.821(e), please use the \square first-filed, \square last-filed
	or \square only computer readable form filed in that application as the computer readable form for the instant application. It is understood that the Patent and Trademark Office will make the necessary change in application number and filing date for the computer readable form that will be used for the instant
	application. A paper copy of the Sequence Listing is \square included in the
	originally-filed specification of the instant application, \square included in a separately filed preliminary amendment for incorporation into the specification.
	Information Disclosure Statement.
	Attached Form 1449.
	Copies of each of the references listed on the attached Form PTO-1449 are enclosed herewith.
	A copy of Petition for Extension of Time as filed in the prior case.
	Appended Material as follows:

DOCKET N	O.: 00069.US1	-5-	PATENT
	Return Receipt Posto	card (should be specifically iter	mized).
	Other as follows: P	aper copy of Sequence listing	pages 1- 50.
FEE C	ALCULATION:		

Cancel in this application original claims ______ of the prior application before calculating the filing fee. (At least one original

independent claim must be retained for filing purposes.)

			SMALL	ENTITY	NOT SMA	LL ENTITY	
				RATE	FEE	RATE	FEE
PR	OVISIONAL AI	PPLICATION		\$75.00	\$	\$150.00	\$
DE	SIGN APPLICA	ATION		\$160.00	\$	\$320.00	\$
UT	ILITY APPLICA	ATIONS BASE FE	Œ	\$355.00	\$	\$710.00	\$710.00
UTILITY APPLICATION, ALL CLAIMS CALCULATED AFTER ENTRY OF ALL AMENDMENTS							
		No. Filed	No. Extra				
	TOTAL CLAIMS	164 - 20 =	144	\$9 each	\$	\$18 each	\$2592
	INDEP. CLAIMS	29 - 3 =	26	\$40 each	\$	\$80 each	\$2080
FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM		\$135	\$	\$270	\$ 135		
ADDITIONAL FILING FEE			\$ `	*******	\$		
TOTAL FILING FEE DUE			*******	\$		\$5517	

A Check is enclosed in the amount of \$ 5,517.00.

The Commissioner is authorized to charge payment of the following fees and to refund any overpayment associated with this communication or during the pendency of this application to deposit account 23-3050. This sheet is provided in duplicate.

The foregoing amount due.

Any additional filing fees required, including fees for the presentation of extra claims under 37 C.F.R. 1.16.

\boxtimes	Any additional patent application processing fees under 37 C.F.R. 1.17 or
	1.20(d).
	The issue fee set in 37 C.F.R. 1.18 at the mailing of the Notice of Allowance.

The Commissioner is hereby requested to grant an extension of time for the appropriate length of time, should one be necessary, in connection with this filing or any future filing submitted to the U.S. Patent and Trademark Office in the above-identified application during the pendency of this application. The Commissioner is further authorized to charge any fees related to any such extension of time to deposit account 23-3050. This sheet is provided in duplicate.

SHOULD ANY DEFICIENCIES APPEAR with respect to this application, including deficiencies in payment of fees, missing parts of the application or otherwise, the United States Patent and Trademark Office is respectfully requested to promptly notify the undersigned.

Date: 3/9/200)

Woodcock Washburn Kurtz Mackiewicz & Norris LLP One Liberty Place - 46th Floor Philadelphia PA 19103 Telephone: (215) 568-3100

Facsimile: (215) 568-3439

Gwilym J. O. Attwell Registration No. 45,449

> PLACE BARGOS LABEL HERE CUSTOMER NO. 26657 26657

PATENT TRADEMARK OFFICE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re Application of:

Gabriel Vogeli, Alla M. Karnovsky, Cara Ruble, Lisa I. Linske-O'Connell, Jun Wang and Derong Liu

Serial No.: Not yet assigned Group Art Unit: Not yet assigned

Filing Date: Herewith Examiner: Not yet assigned

For: HUMAN ION CHANNELS

BOX SEQUENCE

Assistant Commissioner for Patents Washington DC 20231

STATEMENT TO SUPPORT FILING AND SUBMISSION IN ACCORDANCE WITH 37 CFR §§ 1.821 THROUGH 1.825

\boxtimes	I hereby state, in accordance with the requirements of 37 C.F.R. §1.821(f), that the contents of the paper and computer readable copies of the Sequence Listing, submitted in accordance with 37 CFR §1.821(c) and (e), respectively are the same.
	I hereby state that the submission filed in accordance with 37 CFR §1.821(g) does not include new matter.
	I hereby state that the submission filed in accordance with 37 CFR §1.821(h) does not include new matter or go beyond the disclosure in the international application as filed.
	I hereby state that the amendments, made in accordance with 37 CFR §1.825(a), included in the substitute sheet(s) of the Sequence Listing are supported in the application, as filed, at pages I hereby state that the substitute sheet(s) of the Sequence Listing does (do) not include new matter.
	I hereby state that the substitute copy of the computer readable form, submitted in accordance with 37 CFR §1.825(b), is the same as the amended Sequence Listing.

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I hereby state that the substitute copy of the computer readable form, submitted in
accordance with 37 CFR §1.825(d), contains identical data to that originally filed.

Date: 3/9/2001

Gwilym J. O. Attwell Registration No. 45,449

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